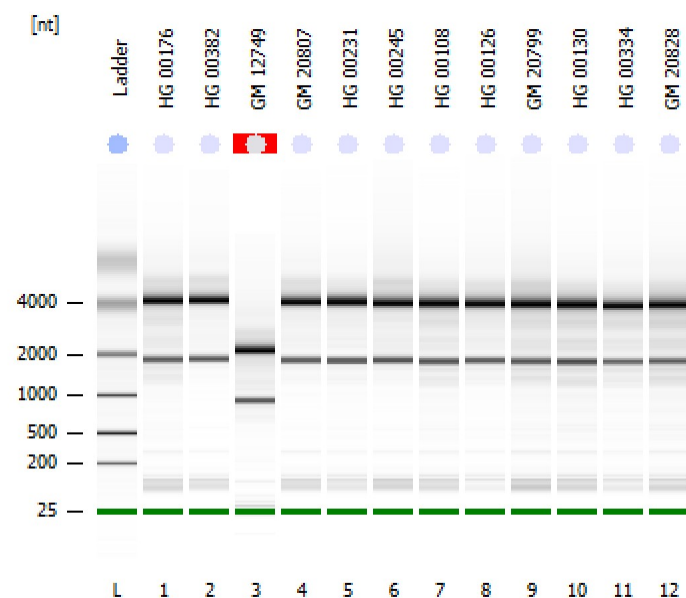


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-14\_08-38-21.xad

Created: 10/14/2011 8:38:21 AM  
Modified: 10/14/2011 9:02:12 AM

**Electrophoresis File Run Summary****Instrument Information:**

Instrument Name: DE04105537  
Serial#: DE04105537

Firmware: C.01.069  
Type: G2938C

**Assay Information:**

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

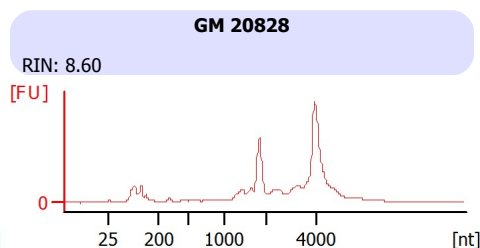
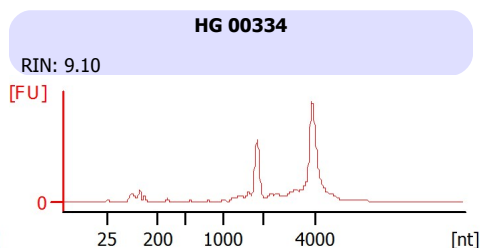
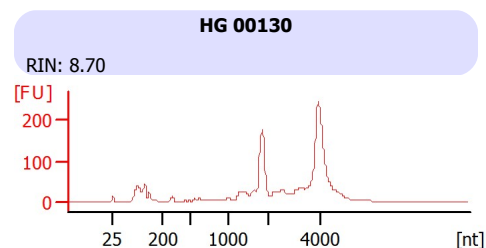
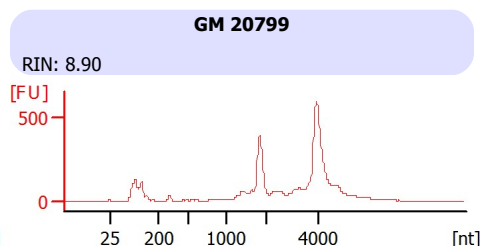
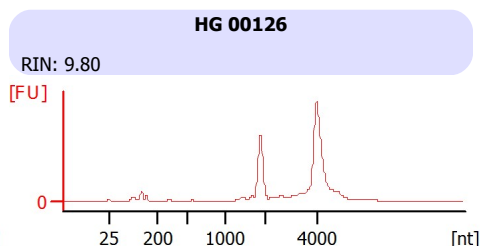
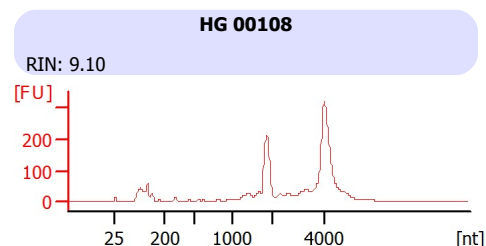
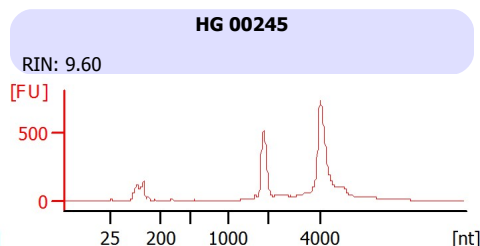
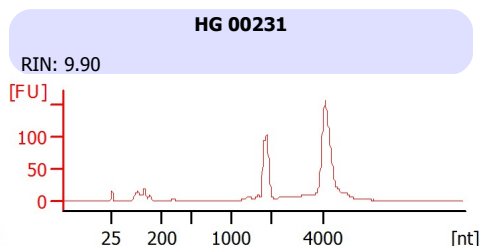
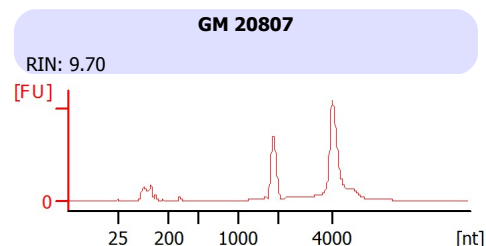
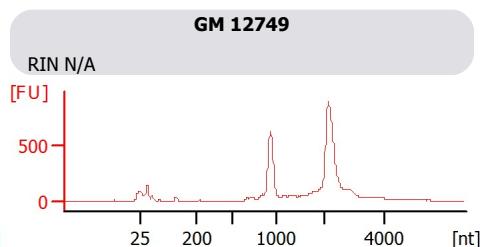
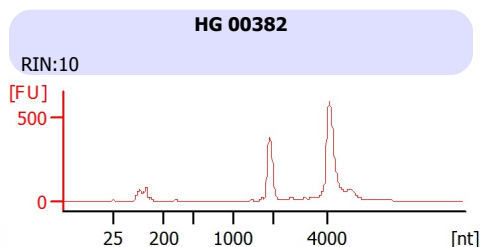
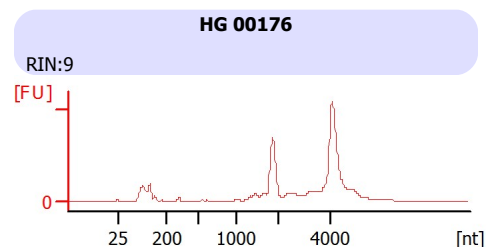
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**Chip Information:**

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-14\_08-38-21.xad

Created: 10/14/2011 8:38:21 AM  
Modified: 10/14/2011 9:02:12 AM

**Electrophoresis File Run Summary (Chip Summary)**

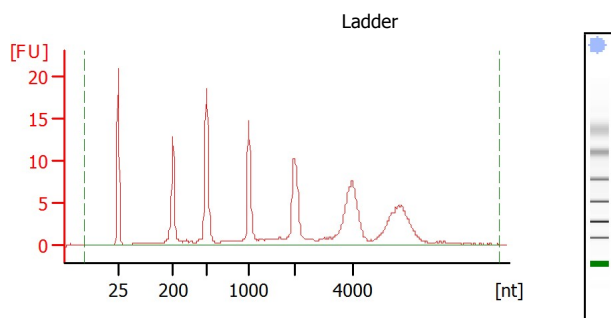
Sample Name	Sample Comment	Status	Result Label	Result Color
HG 00176		✓	RIN:9	
HG 00382		✓	RIN:10	
GM 12749		✓	RIN N/A	
GM 20807		✓	RIN: 9.70	
HG 00231		✓	RIN: 9.90	
HG 00245		✓	RIN: 9.60	
HG 00108		✓	RIN: 9.10	
HG 00126		✓	RIN: 9.80	
GM 20799		✓	RIN: 8.90	
HG 00130		✓	RIN: 8.70	
HG 00334		✓	RIN: 9.10	
GM 20828		✓	RIN: 8.60	
Ladder		✓	All Other Samples	

**Chip Lot #****Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-14\_08-38-21.xad

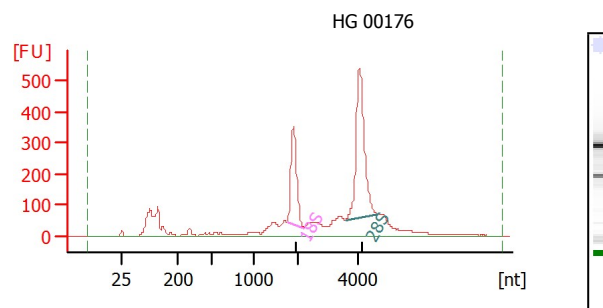
Created: 10/14/2011 8:38:21 AM  
 Modified: 10/14/2011 9:02:12 AM

### Electropherogram Summary



#### Overall Results for Ladder

RNA Area: 167.5  
 RNA Concentration: 150 ng/μl  
 Result Flagging Color:    
 Result Flagging Label: All Other Samples

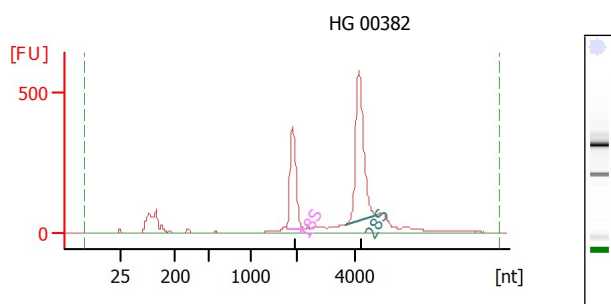


#### Overall Results for sample 1 : HG 00176

RNA Area: 4,041.1  
 RNA Concentration: 3,620 ng/μl  
 rRNA Ratio [28s / 18s]: 1.8  
 RNA Integrity Number (RIN): 9 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN:9

#### Fragment table for sample 1 : HG 00176

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,743	2,176	582.0	14.4
28S	3,604	4,701	1,049.7	26.0

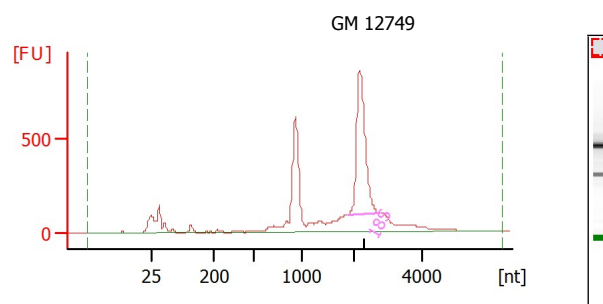


#### Overall Results for sample 2 : HG 00382

RNA Area: 3,310.3  
 RNA Concentration: 2,965 ng/μl  
 rRNA Ratio [28s / 18s]: 1.7  
 RNA Integrity Number (RIN): 10 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN:10

#### Fragment table for sample 2 : HG 00382

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,756	2,236	668.8	20.2
28S	3,644	4,707	1,126.1	34.0



#### Overall Results for sample 3 : GM 12749

RNA Area: 5,606.8  
 RNA Concentration: 5,022 ng/μl  
 rRNA Ratio [28s / 18s]: 0.0  
 RNA Integrity Number (RIN): N/A (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN N/A

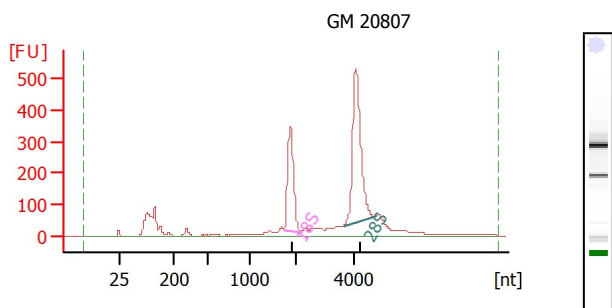
#### Fragment table for sample 3 : GM 12749

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,884	2,749	1,746.4	31.1

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-14\_08-38-21.xad

Created: 10/14/2011 8:38:21 AM  
 Modified: 10/14/2011 9:02:12 AM

### Electropherogram Summary Continued ...

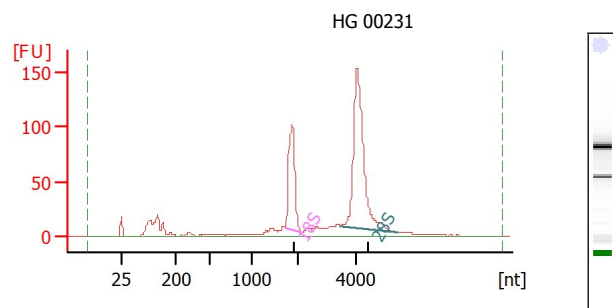


#### Overall Results for sample 4 : GM 20807

RNA Area: 3,325.9  
 RNA Concentration: 2,979 ng/μl  
 rRNA Ratio [28s / 18s]: 1.7  
 RNA Integrity Number (RIN): 9.7 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.70

#### Fragment table for sample 4 : GM 20807

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,728	2,164	624.9	18.8
28S	3,615	4,693	1,044.6	31.4

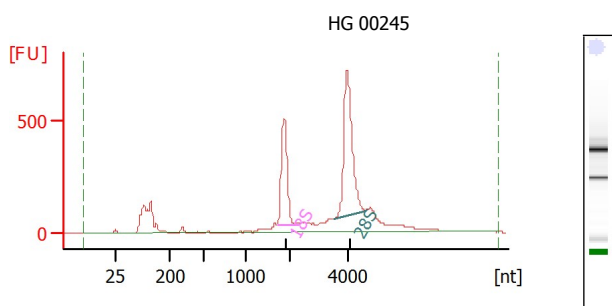


#### Overall Results for sample 5 : HG 00231

RNA Area: 964.8  
 RNA Concentration: 864 ng/μl  
 rRNA Ratio [28s / 18s]: 2.1  
 RNA Integrity Number (RIN): 9.9 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.90

#### Fragment table for sample 5 : HG 00231

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,733	2,117	189.1	19.6
28S	3,462	5,472	390.5	40.5

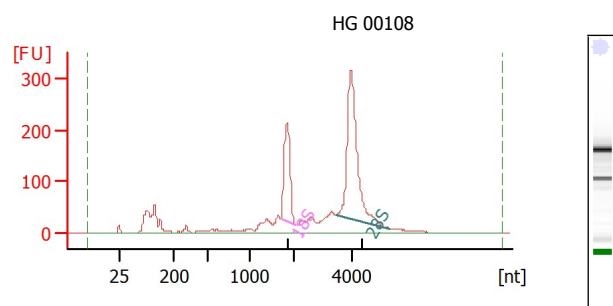


#### Overall Results for sample 6 : HG 00245

RNA Area: 5,129.3  
 RNA Concentration: 4,595 ng/μl  
 rRNA Ratio [28s / 18s]: 1.7  
 RNA Integrity Number (RIN): 9.6 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.60

#### Fragment table for sample 6 : HG 00245

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,715	2,169	870.2	17.0
28S	3,543	4,624	1,438.4	28.0



#### Overall Results for sample 7 : HG 00108

RNA Area: 2,446.7  
 RNA Concentration: 2,192 ng/μl  
 rRNA Ratio [28s / 18s]: 2.1  
 RNA Integrity Number (RIN): 9.1 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.10

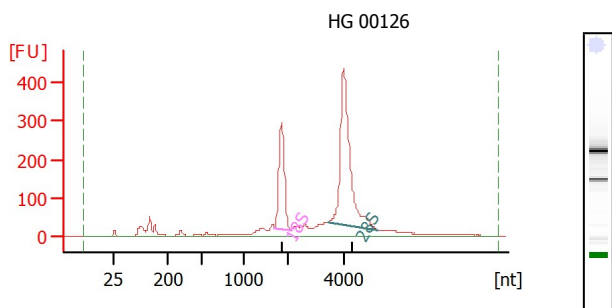
#### Fragment table for sample 7 : HG 00108

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,706	2,052	367.4	15.0
28S	3,484	5,326	781.4	31.9

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-14\_08-38-21.xad

Created: 10/14/2011 8:38:21 AM  
 Modified: 10/14/2011 9:02:12 AM

### Electropherogram Summary Continued ...

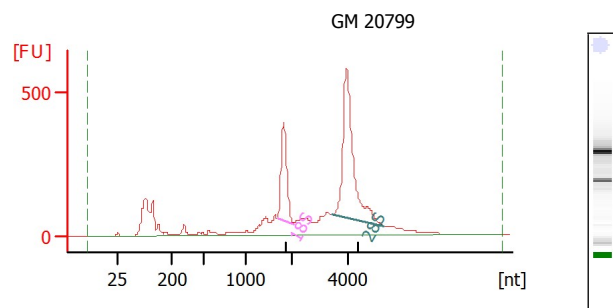


#### Overall Results for sample 8 : HG 00126

RNA Area: 2,738.0  
 RNA Concentration: 2,453 ng/μl  
 rRNA Ratio [28s / 18s]: 2.2  
 RNA Integrity Number (RIN): 9.8 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.80

#### Fragment table for sample 8 : HG 00126

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,711	2,121	488.4	17.8
28S	3,416	5,181	1,066.0	38.9

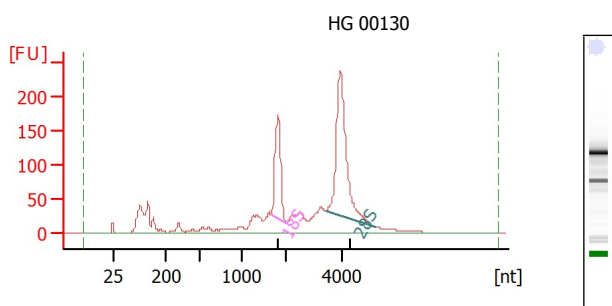


#### Overall Results for sample 9 : GM 20799

RNA Area: 5,263.0  
 RNA Concentration: 4,714 ng/μl  
 rRNA Ratio [28s / 18s]: 2.4  
 RNA Integrity Number (RIN): 8.9 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 8.90

#### Fragment table for sample 9 : GM 20799

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,699	2,105	623.4	11.8
28S	3,447	5,275	1,466.6	27.9

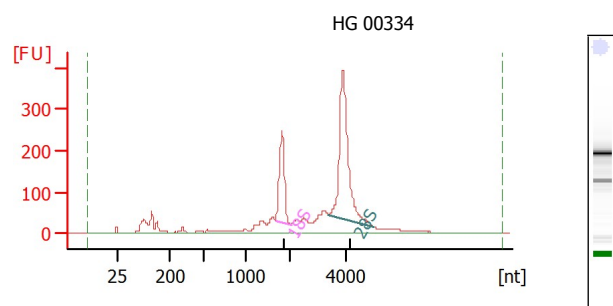


#### Overall Results for sample 10 : HG 00130

RNA Area: 2,127.3  
 RNA Concentration: 1,906 ng/μl  
 rRNA Ratio [28s / 18s]: 2.1  
 RNA Integrity Number (RIN): 8.7 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 8.70

#### Fragment table for sample 10 : HG 00130

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,687	2,028	277.5	13.0
28S	3,405	5,182	589.2	27.7



#### Overall Results for sample 11 : HG 00334

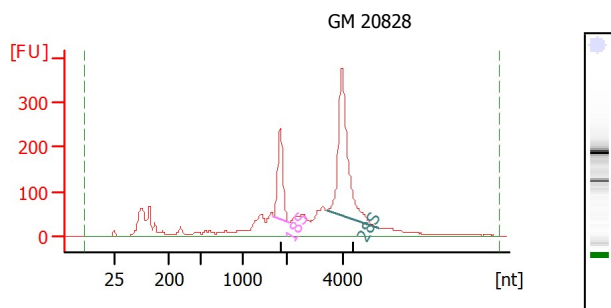
RNA Area: 2,707.6  
 RNA Concentration: 2,425 ng/μl  
 rRNA Ratio [28s / 18s]: 2.4  
 RNA Integrity Number (RIN): 9.1 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.10

#### Fragment table for sample 11 : HG 00334

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,687	2,058	360.4	13.3
28S	3,376	4,990	854.5	31.6

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-14\_08-38-21.xad

Created: 10/14/2011 8:38:21 AM  
Modified: 10/14/2011 9:02:12 AM

**Electropherogram Summary Continued ...****Overall Results for sample 12 : GM 20828**

RNA Area: 3,334.3  
RNA Concentration: 2,987 ng/μl  
rRNA Ratio [28s / 18s]: 2.5  
RNA Integrity Number (RIN): 8.6 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 8.60

**Fragment table for sample 12 : GM 20828**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,698	2,089	345.3	10.4
28S	3,419	5,221	864.5	25.9